

**Discussion in relation to claims 2, 3, 24, 26, 30, 36, 39, 44, 51, 58, 68**

During the prosecution of this re-exam/re-issue there have been many discussions regarding "family" and "compounds" as those terms relate to either DADMAC or Epi-DMA.

To provide proper clarification to the claims, while keeping all available rights to the applicant, all of said claims have been reworded as "family of compounds."

Webster's Ninth College Dictionary defines family as:

"4: a group of things related by common characteristics: as a: a closely related group of chemicals or compounds."

Further, Webster's Ninth College Dictionary defines compound, second definition, as:

"1: composed of or resulting from union of separate elements, ingredients, or parts: as a: composed of united similar elements esp. of a kind usu. independent"

As presented in the RCE, there are many methods of preparing a polyquaternary moiety. These are all well known within the industry. For example, DADMAC is manufactured from allyl chloride and di-methyl amine; a family of compounds is easily prepared by varying either the molecular chain length of the allyl or by varying the alkyl groups on the amine, i.e. allyl could have from 4 to 6 or 7 or 8 carbons and di-methyl amine could be methyl-methyl amine or methyl-ethyl amine or ethyl-ethyl amine or methyl-propyl amine, and so on. All of these combinations will create a polyquaternary amine based upon an "allyl chloride" moiety, a.k.a. a family of compounds. As another example, Epi-DMA is manufactured with epichlorohydrin and di-methyl amine; a family of compounds can be prepared by varying the alkyl groups on the amine, i.e. di-methyl amine could be methyl-methyl amine or methyl-ethyl amine or ethyl-ethyl amine or methyl-propyl amine, and so on.

It is well understood in the patent law industry that for all intents and purposes the doctrine of equivalence is practically gone. Therefore, the applicant wishes to be sure as to cover well know and easily manufactured equivalents to DADMAC and Epi-DMA.

Third Amendment  
Claim Construction

Page 21 of 22

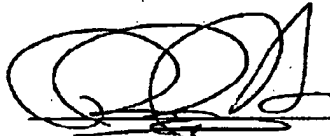
The best wording to perform such, given the available definitions, is "family of compounds" as defined in Webster's Ninth College Dictionary.

For ease of review by the Examiner, a copy of each page for "compound" and "family" from Webster's Ninth College Dictionary is attached.

**REQUEST FOR ALLOWANCE**

Allowance of the attached claims is respectfully requested. Examiner Barry is kindly invited to contact the Applicant for any items required in this prosecution.

Respectfully submitted,



Richard A. Haase, Pro Se Applicant

**Date: April 4, 2004**

**Correspondence Address:**

Richard A. Haase  
4402 Ringrose Drive  
Missouri City, Texas 77459  
Tel: 281-261-9543  
Fax: 281-261-6505

Third Amendment  
Claim Construction

Page 22 of 22

**A GENUINE MERRIAM-WEBSTER**

The name *Webster* alone is no guarantee of excellence. It is used by a number of publishers and may serve mainly to mislead an unwary buyer.

A *Merriam-Webster*® is the registered trademark you should look for when you consider the purchase of dictionaries or other fine reference books. It carries the reputation of a company that has been publishing since 1831 and is your assurance of quality and authority.

Copyright © 1990 by Merriam-Webster Inc.

Philippines Copyright 1990 by Merriam-Webster Inc.

Library of Congress Cataloging in Publication Data  
Main entry under title:

Webster's ninth new collegiate dictionary.

p. cm.  
ISBN 0-87779-508-8. — ISBN 0-87779-509-6 (indexed). — ISBN  
0-87779-510-X (deluxe)

I. English language—Dictionaries.

PE1628.W5638 1990

423—dc20

89-38961  
CIP

Abt

Webster's Ninth New Collegiate Dictionary principal copyright 1983

COLLEGIATE trademark Reg. U.S. Pat. Off.

All rights reserved. No part of this book covered by the copyrights herein may be reproduced or copied in any form or by any means—graphic, electronic, or mechanical, including photocopying, taping, or information storage and retrieval systems—without written permission of the publisher.

Made in the United States of America

37383940RMcn90

## 270 complimentary close • comprising

— *com-pli-men-ter-ly* \kəm-pī-ment-er-lee, -ment-er-lee\ *adv*

**complimentary close** *n* (1919): the words (as *sincerely yours*) that conventionally come immediately before the signature of a letter and express the sender's regard for the receiver — called also *complimentary closing*

**com-pline** \kəm-plīn, -plīn\ *n*, often *cap* [ME *compline*, *comptia*, fr. OF *comptia*, modif. of LL *completia*, fr. L *completus* complete] (11c): the seventh and last of the canonical hours

**com-plot** \kəm-plōt, -plōt\ *n* [MF *complot* crowd, plot] archaic (1577): *plot*, *conspiracy*

**com-plaint** \kəm-ploīnt, -ploīnt\ *n*, archaic (1579): *riot*

**com-pleat** \kəm-pleeat, -pleeat\ *n*, archaic (1579): *complet*, fr. Sp *complet* to complete, perform what is due, be courteous, fr. L *completus* to complete (1602) 1: to be ceremoniously courteous 2: to conform or adapt one's actions to another's wishes, to a rule, or to necessity

**com-plex** \kəm-pleks, -pleks\ *n*, *pl* *com-plexes* [short for *composition*] (1823): any of various composition materials

**com-po-sent** \kəm-pō-sent, -pō-sent\ *n* [L *compositus*, *composita*, pp. of *componere* to put together — more at *COMPOUND*] (1645) 1: a constituent part 2: any one of the vector terms added to form a vector sum or resultant b: a coordinate of a vector; also: either member of an ordered pair of numbers *syn* *see* *element*

**com-po-si-tion** \kəm-pō-zī-shən, -pō-zī-shən\ *n* [MF *compositio* to bear, conduct, fr. L *compositus* to bring together, fr. *com-* + *ponere* to carry — more at *PORT*] (1589): to be fitting; accord (as that with ideals) *syn* *see* *BEHAVE*; esp: to behave in a manner conformable to what is right, proper, or expected (*and himself well in the emergency*) *syn* *see* *BEHAVE*

**com-pute** \kəm-pōt, -pōt\ *n* (1771): *COMPUTE* 2

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

**com-put-er** \kəm-pōt-er, -pōt-er\ *n* (1599): *REARER*, *DEMANDER*

associated in our minds: states — *Times Lit. Suppl.*

ag three faculty members

CONSTRUCT (a misnomer)

William Styron) (about 17

d women — Jimmy Carter

age Although it has been

is still attacked as wrong,

until comparatively recent

technical writing rather

shows a slight shift in or

recent literary use than if

ever, that if you use *make*

and you may want to

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

*make up*

[illegible][illegible]